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| APPLICATION NO. | FILING DATE | FIRST NAMED INVENTOR | ATTORNEY DOCKET NO. | CONFIRMATION NO. |
|---|-------------|----------------------|---------------------|------------------|
| 10/561,527 | 12/20/2005 | Kenji Ookura | P28916 | 9846 |
| 7055 | 7590 | 09/27/2006 | EXAMINER | |
| GREENBLUM & BERNSTEIN, P.L.C. 1950 ROLAND CLARKE PLACE RESTON, VA 20191 | | | NASRI, JAVAID H | |
| | | | ART UNIT | PAPER NUMBER |
| | | | 2839 | |

DATE MAILED: 09/27/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

| | | | |
|------------------------------|------------------------|---------------------|--|
| Office Action Summary | Application No. | Applicant(s) | |
| | 10/561,527 | OOKURA, KENJI | |
| | Examiner | Art Unit | |
| | Javaid Nasri | 2839 | |

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☐ Responsive to communication(s) filed on ____.
- 2a) ☐ This action is **FINAL**. 2b) ☒ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-11 is/are pending in the application.
4a) Of the above claim(s) ____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) ____ is/are allowed.
- 6) ☒ Claim(s) 1 and 2 is/are rejected.
- 7) ☒ Claim(s) 3-11 is/are objected to.
- 8) ☐ Claim(s) ____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☒ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 20 December 2005 is/are: a) ☐ accepted or b) ☒ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☒ All b) ☐ Some * c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. ____.
3. ☒ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

* See the attached detailed Office action for a list of the certified copies not received.

Attachment(s)

- | | |
|--|--|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892) | 4) <input type="checkbox"/> Interview Summary (PTO-413) Paper No(s)/Mail Date. ____ |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| 3) <input checked="" type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08) Paper No(s)/Mail Date <u>3/27/06</u> | 6) <input type="checkbox"/> Other: ____ |

DETAILED ACTION

Specification

1. The disclosure is objected to because of the following informalities:
 - a) The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed.
 - b) On page 30, the last paragraph regarding the priority document move to page 1.
 - c) On page 12, line 5, change 'header 20' to -- header 30 --

Note: These are few examples only. Applicant is required to check the entire disclosure and correct the disclosure accordingly.

Drawings

2. Figures 12A-12C, 13, 14A-14C and 15 should be designated by a legend such as --Prior Art-- because only that which is old is illustrated. See MPEP § 608.02(g). Corrected drawings in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. The replacement sheet(s) should be labeled "Replacement Sheet" in the page header (as per 37 CFR 1.84(c)) so as not to obstruct any portion of the drawing figures. If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Note: Refer to specification pages 1, 10 and 11.

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3. The drawings are objected to under 37 CFR 1.83(a). The drawings must show every feature of the invention specified in the claims. Therefore, the

a) the limitations of claims 7 and 9-11

must be shown **clearly** or the feature(s) canceled from the claim(s). No new matter should be entered.

Corrected drawing sheets in compliance with 37 CFR 1.121(d) are required in reply to the Office action to avoid abandonment of the application. Any amended replacement drawing sheet should include all of the figures appearing on the immediate prior version of the sheet, even if only one figure is being amended. The figure or figure number of an amended drawing should not be labeled as “amended.” If a drawing figure is to be canceled, the appropriate figure must be removed from the replacement sheet, and where necessary, the remaining figures must be renumbered and appropriate changes made to the brief description of the several views of the drawings for consistency. Additional replacement sheets may be necessary to show the renumbering of the remaining figures. Each drawing sheet submitted after the filing date of an application must be labeled in the top margin as either “Replacement Sheet” or “New Sheet” pursuant to 37 CFR 1.121(d). If the changes are not accepted by the examiner, the applicant will be notified and informed of any required corrective action in the next Office action. The objection to the drawings will not be held in abeyance.

Claim Objections

4. Claims 1-11 are objected to because of the following informalities:

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- a) In claims 1-11, line 1, change “A connector” to -- An electrical connector --.
- b) In claim 1, line 5, change “formed on an insulation” to -- formed of an insulation --.
- c) In claim 1, lines 13 and 14, “a second contact portion” is mentioned before “a first contact portion”
- d) In claim 1, line 23, change “by at least two cross walls” to -- by said at least two cross walls --.
- e) In claim 1, line 24, “the adsorption face” and “the adsorption nozzle” lacks antecedent base.
- f) In claim 7, line 3, change “of protrusion” to -- of said protrusion --.

Appropriate correction is required.

Claim Rejections - 35 USC § 103

5. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negated by the manner in which the invention was made.

6. Claims 1 and 2 are rejected under 35 U.S.C. 103(a) as being unpatentable over Huang et al (6,827,588) in view of the admitted prior art (see specification page 5, lines 8-13).

Huang et al discloses, **for claim 1**, a header (3) comprising a header body formed of an insulation material, and one or a plurality of header posts (41) held on a side wall of the header

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body; and a socket (1) comprising a socket body formed of an insulation material and having a plug groove (13) with which the header is engaged, and one or a plurality of socket contacts held on a side wall of the plug groove of the socket body (see figure 1) and contacted with the header posts when the header is engaged with the plug groove; characterized by that the header body has a concave portion (35) on a first face in side which is to be engaged with the plug groove of the socket body; the header post has a second contact portion disposed along a side wall of the header body and contacted with a first contact portion of the socket contact, a curved portion (see figure 4) formed in a substantially reverse U-shape from a vicinity of an end in the first face side of the side wall of the header body toward the concave portion, and a terminal portion formed to protrude outward from a side of the second contact portion opposite to the curved portion to be substantially perpendicular to the side wall and to be soldered on a circuit board (see figure 2); and the concave portion is separated by at least two cross walls so that an enclosed space is formed by at least two cross walls (see figure 4), **for claim 2**, a plurality of the header posts are arranged, the cross walls are provided for separating each gap between the arranged header posts (see figure 4),

However, Huang et al does not disclose:

- a) For claim 1, a bottom face of the concave portion and the adsorption face of the adsorption nozzle in a state that the adsorption face of the adsorption nozzle is contacted with the first face so that a suction opening of the adsorption nozzle faces the concave portion. The admitted prior art (see specification page 5, lines 8-13, therefore, it would have been obvious to one of ordinary skill in the art, at the time of the invention for Huang et

al to have a bottom face of the concave portion and the adsorption face of the adsorption nozzle in a state that the adsorption face of the adsorption nozzle is contacted with the first face so that a suction opening of the adsorption nozzle faces the concave portion in view of the admitted prior art (see specification page 5, lines 8-13) in order to place the header properly.

Allowable Subject Matter

7. Claims 3-11 are objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.

REASONS FOR ALLOWANCE

8. The following is an examiner's statement of reasons for allowance:

The reason for allowance of the claims is the inclusion of the limitation,

- a) For claim 3, none of the prior art teaches or suggest, alone or in combination the socket body having four engaging concavities formed in vicinities of both end portions of both side walls, the engaging portions of the adsorption cover are engaged with the engaging concavities of the socket body, in combination with other limitations in the claim which is not found in the prior art reference of record.
- b) For claim 5, none of the prior art teaches or suggest, alone or in combination a protrusion and a concavity being serially provided on the second contact portion

of the header post along height wise direction of the header to a second face opposite to the first face, in combination with other limitations in the claim which is not found in the prior art reference of record.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Contact

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Javaid Nasri whose telephone number is 571 272 2095. The examiner can normally be reached on Monday to Friday.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Tulsidas C. Patel can be reached on 571 272 2800 ext 39. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would

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like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.



Javaid Nasri
Primary Examiner
Art Unit 2839

JN

Jhn

September 21, 2006